

ABSTRACT OF THE DISCLOSURE

In hyperframe synchronization processing of a hyperframe including FEXT frames and NEXT frames, each difference between the number of consecutive FEXT frames and the number of consecutive NEXT frames is calculated, and a unique sequence of these differences is detected. When the unique sequence of differences can be detected from a received hyperframe, the position of a frame which is being received now in the hyperframe can be specified at that point in time. Hence, hyperframe synchronization can be established in a short time after frame synchronization is established.